AUTHOR INDEX

A

Adams, J. C. Fracture-dislocation of hip (*discussion*), 954.
Addison, J. Acromio-clavicular dislocation (*discussion*), 227.
Alms, M. Medullary nailing for fracture of shaft of tibia, *328.
Alvik, I. Treatment in childhood of congenital dysplasia of hip, 436.
Andrew, J. D. *See* Ellis, R. W. B., and Andrew, J. D.
Atkinson, P. J., Weatherell, J. A., and Weidmann, S. M. Changes in density of human femoral cortex with age, *496.
Aubigné, R. Merle d'. *See* Merle d'Aubigné, R.

B

Bäckdahl, M. Reconstructive surgery for loss of opponens function (*discussion*), 247.
Ulnar deviation of fingers in rheumatoid arthritis, 238.
Bärr, G. F. Paralytic calcaneo-cavus deformity, 957.
Bailleux, A. Jean Joseph Delchef (*obituary*), 950.
Baird, R. C. *Demonstrations*, 744.
Bang Rasmussen, K. *See* Rasmussen, K. B.
Barlow, T. G. Early diagnosis and treatment of congenital dislocation of hip, *292.
Barnes, R. Diagnosis of ischaemia of capital fragment in femoral neck fractures (*editorial*), 760.
Barnett, C. H., and Cobbold, A. F. Lubrication within living joints, *662.
Barnett, E., Beck, J. S., and Nordin, B. E. C. Diagnosis of osteoporosis, 746.
See also Stevens, J., *et al.*
Barry, H. C. Giant-cell tumour, 748.
Primary bone grafting of fractures of forearm (*discussion*), 750.
Bastow, J. Primary subtrochanteric osteotomy for unstable subcapital fractures, 439.
Batchelor, J. S. Anterior lumbar fusion, 229.
Bone cyst, 229.
Charnley compression arthrodesis of hip (*discussion*), 742.
Cruciate ligament repair, 229.
Discussions, 228.
Fractures of lowest third of femur (*discussion*), 953.
Tibial osteotomy for osteoarthritis of knee, 956.
Baumann, J. U. Fractures of scaphoid (*discussion*), 246.
Beck, J. S. *See* Barnett, E., Beck, J. S., and Nordin, B. E. C.
Bedbrook, G. M. Pathology and natural history of traumatic paraplegia, 750.
Vertebral osteomyelitis (*discussion*), 750.
Berry, W. T. C. Medical effects of fluorides, 438.
Bertelsen, A. Fracture-dislocation of pelvis (*discussion*), 216.
Betts, W. J. *Discussions*, 441, 750.
Primary bone grafting of fractures of forearm, 749.
Bhandarkar, S., *et al.* Isotopic test of calcium absorption, 226.
Bingold, A. C. *Discussions*, 227, 228, 229.
Bintcliffe, E. W. Congenital absence of radius (*discussion*), 228.
Blockey, N. J. Joint tuberculosis in children, 963.
Blount, W. P. Osteoarthritis of hip (*discussion*), 217.
Tibia vara (*discussion*), 216.
Bluhm, M. *See* Bhandarkar, S., *et al.*
Blundell Jones, G. *See* Jones, G. B.
Blunden, R. The calcaneum, keystone to the foot, 748.
Bohr, H. Investigations of osteoporosis with radioactive calcium and strontium, 444.
Bolton, H. *Discussions*, 239, 242, 244, 247.
Tendon grafting illustrated by Chicago technique, 240.
Bond, A. M. Some effects of fluoride on general metabolism, 438.
Bonnin, J. G. *Book reviews*, 252, 253, 449, 752, 753, 756.
Bose, K. S. Malignant synovioma, 443.
Bowen, D. A. L. *See* Teare, R. D., Bowen, D. A. L., and Drury, R. A. B.
Bowen, R. *See* Wood, A. M., and Bowen, R.
Brand, P. Reconstructive surgery of hand in leprosy, 442; (*correction*), 964.
Brewerton, D. A., Sandifer, P. H., and Sweetnam, D. R. Pes cavus, 741.
Briggs, J. R. *Discussions*, 227, 228.
Brook, A. L. Eyre-. *See* Eyre-Brook, A. L.
Brookes, M., and Wardle, E. N. Muscle action and the shape of the femur, *398.
Brown, A. Arthrodesis of first toe, 228.
Fractured carpal scaphoid with internal fixation, 228.
Brown, J. T. Frozen shoulder, 963.
Brummer, H. Effect of growth and thyrotropic hormones on tendon healing, 241.
Bruner, J. Complications after radical fasciectomy for Dupuytren's contracture, 244.
Buchan, A. C. Skin contractures in hand, 244.
Skin cover in digital injuries, 242.
Buck, J. E. *Discussions*, 227, 228.
Buren, N. de. Causes and treatment of non-union in fractures of radius and ulna, *614.
Burger, M., Sherman, B. S., and Sobel, A. E. Influence of chondroitin sulphate on rate of bone repair, *675.
Burkitt, D. P. Congenital deformities of limbs, 231.
Burrows, H. J. Acute osteomyelitis, 957.
Book reviews, 249, 972.
Demonstration, 219.
Burton, A. E. *Demonstrations*, 439.
Burwell, R. G. Immune responses of lymph nodes draining second-set homografts of fresh cancellous bone, *688.
and Gowland, G. Immune responses of lymph nodes draining components of fresh homologous cancellous bone and homologous bone treated by different methods, *131.
Butler, R. W. Osteomyelitis of spine, 962.
Byers, P. D. Chondromyxoid fibroma of bone, *16.
Width of osteoid seam in iliac crests, 226.

C

Calandriello, B. *See* Scaglietti, O., and Calandriello, B.
Callow, F. H. McC. Use of Kirschner wires in hand surgery (*discussion*), 441.
Campbell Connolly, R. *See* Connolly, R. C.
Capener, N. Congenital club foot, 956.
Discussions, 239, 242, 244, 246, 247, 953, 954, 955.
Orthopaedics, rheumatism and the hand (*editorial*), 759.
Carstam, N. Contraction and growth of tendon grafts, 243.
Cass, C. Arthrodesis of hip using Küntscher nail, 441.

* Indicates full article.

Casuccio, C. Concerning osteoporosis, *453.
and Scapinelli, R. Pathological changes in vertebral spinous processes and adjacent soft tissues, 218.
Cater, W. H. *See* Hicks, J. H., and Cater, W. H.
Chakarwarty, R. P. Tuberculosis of knee, 442.
Chalmers, J. *Book reviews*, 448, 754.
and Ray, R. D. Growth of transplanted foetal bones in different immunological environments, *149.
Charnley, J. *Book reviews*, 251, 253.
Charnley compression arthrodesis of hip (*discussion*), 742.
Chatterjee, S. C. Recurrent dislocation of shoulder, 442.
Cherry, J. C. Slipped upper femoral epiphysis, 438.
Cholmeley, J. A. *Demonstrations*, 220.
Choudhery, M. K. Hydatid disease of bone, 443.
Christensen, I. Congenital dislocation of hip, 443.
Clark, J. M. P. *Book review*, 754.
Paralytic calcaneo-cavus deformity, 957.
Clarke, H. Osmond-. *See* Osmond-Clarke, H.
Cobbold, A. F. *See* Barnett, C. H., and Cobbold, A. F.
Cohen, B. T. Keon-. *See* Keon-Cohen, B. T.
Collins, D. H. Changes in spine in osteoporosis, 746.
Coltart, W. D. *Book review*, 250.
Slipped upper femoral epiphysis (*discussion*), 961.
Connolly, R. C. *Demonstration*, 220.
Cooke, A. M. Relationship between osteoporosis and fracture incidence, 746.
Cotter, P. W., and Morris, J. B. Acute streptococcal gangrene, *891.
Courts, A. *See* Little, K., Kelly, M., and Courts, A.
Creer, W. Sayle-. *See* Sayle-Creer, W.
Critchley, J. Malignant paraplegia, 440.
Crosland, J. H. *Book review*, 449.

D

Dale, G. G. *See* Gilpin, R. E., Dale, G. G., and Harris, W. R.
Dallas, I., *et al.* Pathogenesis of osteoporosis, 747.
Dass, R. *See* Singh, A., *et al.*
Davies, R. Wynne-. *See* Wynne-Davies, R.
Davies, V. S. Hughes-. *See* Hughes-Davies, V. S.
Davison, E. P. Congenital hypoplasia of carpal scaphoid bone, *816.
Dawson, J. A. *See* Miles, A. E. W., and Dawson, J. A.
Dawson, R. H. Slipped upper femoral epiphysis, 750.
De Buren, N. *See* Buren, N. de.
De Wytt, W. Choice of operation for osteoarthritis of hip, 747.
Deacon, A. E. *See* McGibbon, K. C., Deacon, A. E., and Raisbeck, C. C.
Dederich, R. Muscle plasty, 236.
Denness, T. Osteoclastoma, 230.
Devas, M. B. Stress fractures in children, 219.
" V " arthrodesis of hip (*discussion*), 228.
Dickson, J. W. Congenital vertical talus, 229.
Discussion, 230.
Dieckmann, S. D. Stump pain, 236.
Dohn, K. Blood flow in working muscles related to arterial insufficiency, 445.
See also Lund, J., *et al.*
Dooley, B. *See* King, T., and Dooley, B.
Dreyer, C. J. *See* Melcher, A. H., and Dreyer, C. J.
Drury, R. A. B. *See* Teare, R. D., Bowen, D. A. L., and Drury, R. A. B.
Dwyer, F. C. Treatment of relapsed club foot by insertion of wedge into calcaneum, 218.

E

Early, P. F. Population studies in Dupuytren's contracture, *602.
Edmonson, A. S. *See* Stewart, M. J., Gilmer, W. S., Jun., and Edmonson, A. S.
Eiken, O. Bridging small-artery defects with autogenous connective tissue tubes, 245.
Elliott, G. B. Malignant angioblastoma of long bone, *25.
Elliott, J. K. *Discussions*, 442, 750.
Ellis, R. W. B., and Andrew, J. D. Chondroectodermal dysplasia, *626.
Elst, E. vander. Historical aspects of reconstructive surgery, 245.
The thick hand, 241.
Enklaar, J. E. Sex differences in ossification of pelvis, 445.
Ernst, J. Fractures of scaphoid (*discussion*), 246.
Evans, D. K. Osteomyelitis of patella, *319, 741.
Evans, E. M. *Book reviews*, 448, 968.
Eyre-Brook, A. L. *Book reviews*, 447, 967.
Conservative approach to radial head fractures (*discussion*), 743.
Discussions, 954, 956, 958.
and Hewer, T. F. Spontaneous disappearance of neuroblastoma with maturation to ganglioneuroma, *886.

F

Fairbank, T. J. *Discussions*, 230, 953, 954.
and Hawkins, T. D. Treatment of fractures of neck of femur, 962.
Farrow, R. C. *Book review*, 253.
Peroneal release in calcaneal fractures, 961.
Fisk, G. R. *Discussions*, 245, 246, 247.
Unusual fractures of scaphoid bone, 245.
Flatmark, A. L., and Lone, T. Prognosis of abduction fracture of neck of femur, *324.
Flatt, A. E. *Discussions*, 238, 239, 245, 247.
Replacement of rheumatoid finger joints with metallic prostheses, 238.
Flint, M. H., and Mackenzie, I. G. Anterior laxity of ankle: a cause of recurrent paralytic drop foot deformity, *377.
Fowler, A. W. Fracture of clavicle, 440.
Fraser, R. Clinical aspects of osteoporosis, 746.
The problem of osteoporosis, *485.
Freebody, D. Lumbo-sacral fusion by transperitoneal approach, 217.
Freeman, P. A. *See* Stevens, J., *et al.*
Fripp, A. T. *Book review*, 448.
Demonstration, 220.
Fung, G. S. *See* Gawne, D. W. C., and Fung, G. S.

G

Gallagher, J. *Demonstrations*, 441.
Gallagher, J. E. Tendon transplant by Brand method, 438.
Gardiner, T. B. Fusion of superior and inferior tibiofibular joints for non-union of tibia, 963.
Nail and graft arthrodesis of hip, *588.
Garland, S. Adamantinoma of tibia, 961.
Garst, R. Rapid treatment of spinal tuberculosis, 442.
Gawne, D. W. C., and Fung, G. S. Intra-articular arthrodesis of disintegrated tuberculous hip joint, *800.
Gervis, W. H. Anterior lumbar fusion (*discussion*), 229.
Gibson, J. M. C. Rupture of axillary artery, *114.
and Piggott, H. Osteotomy of neck of first metatarsal in treatment of hallux valgus, *349.
Gilmer, W. S., Jun. *See* Stewart, M. J., Gilmer, W. S., Jun., and Edmonson, A. S.

*Indicates full article.

Gilmour, W. N. Acute haematogenous osteomyelitis, *841.
Acute haematogenous osteomyelitis in infancy, 441.
Gilpin, R. E., Dale, G. G., and Harris, W. R. Canadian experience with patellar tendon bearing below-knee prosthesis, *795.
Glynn, L. E. Auto-immunity, 743.
Golden, G. N. Surgery of tendons of hand in rheumatoid arthritis (*discussion*), 743.
Golding, J. S. R. *Book review*, 252.
Tibia vara, 216.
Gowland, G. *See* Burwell, R. G., and Gowland, G.
Grayson, P. C. Giant-cell tumour (*discussion*), 749.
Greaves, C. Ultrasonic treatment, 441.
Grewal, K. S. Treatment of spinal tuberculosis (*discussion*), 442.
Griffiths, D. Ll. Parosteal sarcoma (*discussion*), 958.
Treatment of acute osteomyelitis, 957.
Griffiths, H. E. D. Tetracyclines in investigation of bone disorders, 963.
Guldhammer, E. H. Anatomy and physiology of epiphysial zones, 444.
Gupta, A. K. Partial synovectomy of knee (*discussion*), 443.

H

Hall, H. *Demonstrations*, 439.
Hall, M. R. P., Handley, D. A., and Webster, C. U. Surgical treatment of haemophilic blood cysts, *781.
Hall, R. McK. *Presidential address, Australian Orthopaedic Association*, 440.
Handley, D. A. *See* Hall, M. R. P., Handley, D. A., and Webster, C. U.
Hargadon, E. J. *See* Pearson, J. R., and Hargadon, E. J.
Harmsen, W. L. Vascular factors in homogenous transplants (*discussion*), 955.
Harris, N. H. Place of surgery in acute osteomyelitis, 219.
Harris, W. R. *See* Gilpin, R. E., Dale, G. G., and Harris, W. R.
Harrison, M. H. M. Cerebral fat embolism with haematemesis, *794.
Mould arthroplasty of knee (*discussion*), 742.
Vascular assay in prognosis of fractured femoral neck, *858.
Haupt, E. C. Diagnosis and treatment of congenital dislocation of hip (*correspondence*), 964.
Hawkins, T. D. *See* Fairbank, T. J., and Hawkins, T. D.
Hay, M. F. Organ culture in studies of development of bones and teeth, 960.
Hayreh, S. S. *See* Singh, A., *et al.*
Hazlett, J. W. Visit of American and Canadian Travelling Fellows, 223.
Heard, G. E., Holt, J. F., and Naylor, B. Cervical vertebral deformity in von Recklinghausen's disease of nervous system, *880.
Hennebry, T. M. Cartilage restoration after McMurray osteotomy, 961.
Demonstrations, 960.
Management of fracture of neck of femur (*film*), 961.
Heul, R. O. van der. Parosteal sarcoma, 958.
Hewer, T. F. *See* Eyre-Brook, A. L., and Hewer, T. F.
Hicks, J. F. Problems of fitting children with shoes, 439.
Hicks, J. H., and Cater, W. H. Minor reactions due to modern metal, *122.
Higgins, B. A. Balance studies in osteoporosis associated with thyrotoxicosis, 747.
Hindenach, J. C. R. Perilunar trans-scaphoid dislocation of wrist (*discussion*), 961.
Hindle, J. F. Treatment of infected hands, 227.
Hodkinson, H. M. Double patellae in multiple epiphysial dysplasia, *569.
Holdsworth, F. W. *Book reviews*, 968, 972.
Holt, J. F. *See* Heard, G. E., Holt, J. F., and Naylor, B.
Howard, L. D. Case of flexed thumb (*discussion*), 247.
Howorth, M. B. Orthopaedics in Kenya and Uganda, 230.
Hudson, C. *Discussion*, 442.
Hudson, G. Total marrow volume changes in guinea-pig bones during growth, 960.
Hueston, J. Contractures of hand (*discussion*), 245.
Limited fasciectomy for Dupuytren's contracture, 244.
Hughes-Davies, V. S. *Demonstrations*, 439.
Hulth, A., and Olerud, S. Studies on amputation stumps in rabbits, *431.
Hvidt, V. *See* Lund, J., *et al.*

I

Irving, J. T. *See* Melcher, A. H., and Irving, J. T.

J

Jackson, O. J. Vaughan-. *See* Vaughan-Jackson, O. J.
Jackson Burrows, H. *See* Burrows, H. J.
James, C. C. M., and Lassman, L. P. Spinal dysraphism, *828.
James, J. I. P. *Book review*, 971.
Genetic factor in Dupuytren's disease (*discussion*), 219.
Pes cavus (*discussion*), 741.
Surgery of tendons of hand in rheumatoid arthritis (*discussion*), 743.
Tibial osteotomy (*discussion*), 956.
Treatment of Dupuytren's contracture, 438.
Jansen, K. *See* Larsen, E. H., and Jansen, K.
Jeffery, C. C. Radial head fractures (*discussion*), 743.
Spontaneous fractures of femoral neck, *543.
Jenkins, G. N. Mode of action of fluoride, 437.
Jenkins, S. A. Acromio-clavicular dislocation (*discussion*), 227.
Jens, J. M. J. Cervical spine syndromes, 750.
Slipped upper femoral epiphysis (*discussion*), 750.
Johnston, G. W., and Lowry, J. H. Rupture of axillary artery complicating anterior dislocation of shoulder, *116.
Jolly, S. S. *See* Singh, A., *et al.*
Jones, G. B. Paralytic dislocation of hip, *573.
Jones, Sir R. Watson-. *See* Watson-Jones, Sir R.
Jung, A. Cineplasty, 236.

K

Katznelson, A. M. Traumatic anterior dislocation of hip, *129.
Kelly, J. P. Action of sternomastoid, 748.
Club foot, 748.
Kelly, M. *See* Little, K., Kelly, M., and Courts, A.
Keon-Cohen, B. T. *Discussions*, 441, 749, 750.
Kilburn, P., Sweeney, J. G., and Silk, F. F. Compound posterior dislocation of elbow with rupture of brachial artery, *119.
King, T., and Dooley, B. Late results of McMurray osteotomy for osteoarthritis of hip, *595.
Kingma, M. J. Vascular factors in homogenous transplants, 955.
Kinmonth, M. Case of flexed thumb, 247.
Kirkaldy-Willis, W. H. Trauma to muscle, 232.
Kirker, J. R. Primary bone grafting of fractures of forearm (*discussion*), 750.

* Indicates full article.

Kirkup, J. Injury to femoral artery in fractures of shaft of femur, 439.
Kitchen, I. D. McMurray and his osteotomy, 747.
Klenerman, L. Posterior spinal fusion in spondylolisthesis, *637.
The tourniquet in surgery, *937.
Koekenberg, L. Vascular factors in callus formation, 955.
Kothari, A. B. Malignant synovioma (*discussion*), 443.

L

Labrousse. Stump pain, 236.
Lack, C. H. *Demonstration*, 220.
Lahz, J. Nocardiosis osteomyelitis, 441.
Langenskiöld, A., Sarpio, O., and Michelsson, J.-E. Experimental dislocation of hip in rabbit, *209.
Larsen, E. H. Early treatment of spinal fractures complicated by paralysis, 444.
and Jansen, K. Risks in use of arthrography, 443.
Lassman, L. P. *See* James, C. C. M., and Lassman, L. P.
Laurence, W. *Discussions*, 227, 228.
"V" arthrodesis of hip, 228.
Lee, W. R. Use of tetracyclines as bone markers in quantitative study of bone formation in Paget's disease, 216, 225.
Leonard, F. Chemistry of plastics used in prosthetics, 236.
Ling, R. S. M. Genetic factor in Dupuytren's disease, 219.
Linge, B. van. Normal patterns in leg muscles during function, 956.
Response of muscle to strenuous exercise, *711.
Little, K., Kelly, M., and Courts, A. Studies on bone matrix in normal and osteoporotic bone, *503.
Littler, W. *Discussions*, 237, 239, 240, 242, 244, 245, 247.
Volkmann's contracture, 244.
Lloyd Williamson, J. C. F. *See* Williamson, J. C. F. Ll.
London, P. S. Functional effect of non-union of scaphoid bone, 246.
Is digital nerve suture worth while? 242.
Lone, T. *See* Flatmark, A. L., and Lone, T.
Lowe, E. P. Joplin's operation for hallux valgus, 445.
Lowe, H. G. Radio-ulnar fusion for defects in forearm bones, 743.
Lowry, J. H. *See* Johnston, G. W., and Lowry, J. H.
Lund, J., *et al.* Testosterone in treatment of obliterating arterial disease of leg, 444.
Lunn, H. F. Mycobacterial skin ulcers, 232.

M

Macaulay, H. M. C. *Book review*, 966.
McCash, C. Experimental use of polyethylene, 240.
Flexion contractures of hand, 243.
Tendon grafting (*discussion*), 240.
MacConaill, M. A. An apparent odontoblastic syncytium, 959.
Basic principles of muscle mechanics, 748.
MacDonald, N. S. *See* Urist, M. R., *et al.*
McFarland, B. L. Influence of flexor and adductor muscles in osteoarthritis of hip (*discussion*), 217.
McGibbon, K. C., Deacon, A. E., and Raisbeck, C. C. Growth retardation with heavy Vitallium staples, *86.
See also Morris, M. L., and McGibbon, K. C.
MacGregor, J., and Nordin, B. E. C. Studies in bone solubility, 226.
See also Bhandarkar, S., *et al.*
See also Dallas, I., *et al.*
McKellar Hall, R. *See* Hall, R. McK.
Mackenzie, D. H. Intraosseous glomus tumours, *648.
McKenzie, D. S. Fourth International Prosthetics Course, 235.
Mackenzie, I. G. *See* Flint, M. H., and Mackenzie, I. G.
McLean, E. M. Avulsion of hindquarter, *384.
McMurray, T. B. The calcaneum (*discussion*), 748.
Traumatic paraplegia (*discussion*), 751.
McPherson, A. *Demonstrations*, 220.
McSweeny, A. *Demonstration*, 441.
Madsen, E. Fractures of scaphoid (*discussion*), 246.
Makin, M. Osteogenesis induced by vesical mucosal transplant in guinea-pig, *165.
Mann, T. S. Osteitis in children, 963.
Mannerfelt, L. Functional value of different skin cover in finger tip injuries, 243.
Testing of hand function in rheumatoid arthritis, 238.
Manning, C. W. S. F. *Demonstrations*, 220.
Markowa, J. Osteitis produced experimentally in mice by virus of tick-borne encephalitis, *722.
Marnie, P. Use of Kirschner wires in hand surgery, 441.
Martin, D. J. *Demonstrations*, 961.
Marwah, V. Muscle transplant for psoas paralysis, 443.
Mathias, P. F. *See* Subramaniam, C. S. V., and Mathias, P. F.
Maurer. Stump pain, 236.
Maxwell, C. M. The calcaneum (*discussion*), 748.
Mayer, J. H. *Discussions*, 228, 229.
Mayer, L. *Discussions*, 216, 217, 218.
The good and bad in my orthopaedic life, *220.
Mehta, M. T. Partial synovectomy of knee, 443.
Melcher, A. H., and Dreyer, C. J. Protection of blood clot in healing circumscribed bone defects, *424.
and Irving, J. T. Healing mechanism in artificially created circumscribed defects in femora of albino rats, *928.
Mercer, Sir W. *Book review*, 752.
Merle d'Aubigné, R. Krukenberg procedure, 236.
Merryweather, R. Arthroplasty of knee (*discussion*), 742.
Michelsson, J.-E. *See* Langenskiöld, A., Sarpio, O., and Michelsson, J.-E.
Miles, A. E. W., and Dawson, J. A. Observation on elastic fibres in articular fibrous tissue of some joints, 226.
Miller, R. G. Clinical series of osteoporosis, 747.
Mitchell, G. P. Arthrography in congenital dislocation of hip, 219.
Mizuno, S. Treatment of spinal tuberculosis, 442.
Moberg, E. *Discussions*, 239, 240, 241, 245, 246.
Picking-up test, ninhydrin printing test and two-point discrimination test, 241.
Reconstructive procedures for sensory loss, 242.
Simplified fixation of forearm fractures with inlay metal plate without screws, 247.
Mol van Otterloo, J. de. *See* Otterloo, J. de M. van.
Monty, C. P. Familial Perthes' disease resembling multiple epiphysial dysplasia, *565.
Morris, J. B. Charnley compression arthrodesis of hip, 741.
See also Cotter, P. W., and Morris, J. B.
Morris, M. L., and McGibbon, K. C. Osteochondritis dissecans following Legg-Calvé-Perthes' disease, *562.
Mortens, J. Surgery of spastic hand, 247.
Moseley, H. F., and Övergaard, B. Anterior capsular mechanism in recurrent anterior dislocation of shoulder, *913.
Moynihan, F. J. Cortisone arthropathy, 229.
McMurray's osteotomy, 229.
Mukopadhaya, B. Treatment of spinal tuberculosis (*discussion*), 442.
Mulder, J. Tibial osteotomy (*discussion*), 956.

* Indicates full article.

Murley, A. H. G. Perthes' disease, 962.
Murphy, E. Biomechanics, 236.
Myrin, S. O. Instrument for shaping bone grafts, 238.

N

Naylor, B. *See* Heard, G. E., Holt, J. F., and Naylor, B.
Nes, C. P. van. Quadricepsplasty, 954.
Slipping of capital femoral epiphysis, 445.
Newman, P. H. *Book review*, 971.
Demonstrations, 219, 220.
Fat embolism (*editorial*), 761.
Prognosis in sacro-iliac tuberculosis (*discussion*), 218.
Nicholson, O. R. Comminuted fractures of femur (*discussion*), 749.
Giant-cell tumour (*discussion*), 749.
Traumatic paraplegia (*discussion*), 751.
Nicoll, E. A. Fracture-dislocation of hip, 954.
Preserved homogenous grafts in treatment of fractures and pseudarthrosis, 956.
Quadricepsplasty, 954.
Nielsen, J. *See* Lund, J., *et al.*
Nissen, K. I. *Demonstration*, 220.
Osteoarthritis of hip (*discussions*), 217.
Nordin, B. E. C. *Book review*, 970.
See also Barnett, E., Beck, J. S., and Nordin, B. E. C.
See also Bhandarkar, S., *et al.*
See also Dallas, I., *et al.*
See also MacGregor, J., and Nordin, B. E. C.
See also Stevens, J., *et al.*
Northcroft, G. B. Management of head injuries, 743.
Nsouli, A. Lumbo-sacral fusion by transperitoneal approach (*discussion*), 217.

O

Oatley, H. A. Slipped upper femoral epiphysis (*discussion*), 961.
O'Connor, B. T., and Taylor, T. K. F. Conservative approach to radial head fractures, 743.
Önne, L. Relationship between sweat secretion and sensibility after nerve suture, 241.
Övergaard, B. *See* Moseley, H. F., and Övergaard, B.
Olerud, S. *See* Hulth, A., and Olerud, S.
O'Malley, A. G. Influence of flexor and adductor muscles in osteoarthritis of hip, 217.
Osborne, G. *Discussions*, 217, 240, 241, 246.
Hysterical deformities of fingers, 245.
Osmond-Clarke, H. *Discussions*, 218.
Radial head fractures (*discussion*), 743.
Otterloo, J. de M. van. Benign chondroblastoma of femoral head, 445.

P

Palm, L. *See* Lund, J., *et al.*
Parke, W. The changing phase of vertebral osteomyelitis, 750.
Parkes, A. Intrinsic contractures, 243.
Parry, C. B. Wynn. *See* Wynn Parry, C. B.
Patrick, J. Popliteal arteriovenous aneurysm as a complication of meniscectomy, 744.
Pearson, J. R., and Hargadon, E. J. Fractures of pelvis involving floor of acetabulum, *550.
See also Riddell, D. M., and Pearson, J. R.
Pennal, G. F. Mechanics of fracture-dislocation of pelvis, 216.
Phelan, J. Osteoclastoma (*discussion*), 230.
Piggott, H. *See* Gibson, J. M. C., and Piggott, H.
Pike, W. A. J. Comminuted fractures of femur (*discussion*), 749.
Pilcher, M. F. Epiphysial stapling, *82.
Platt, G. Mould arthroplasty of knee, 742.
Platt, Sir H. Jean Joseph Delchef (*obituary*), 952.
Pledger, H. G. Disorders of temperature regulation in acute traumatic tetraplegia, *110.
Plewes, L. W. *Book review*, 252.
Colles's and Smith's fractures, 227.
Pollock, G. A. Surgical treatment of cerebral palsy, *68.
Pool, R. Jun. *See* Stanisavljevic, S., and Pool, R., Jun.
Poole, D. F. G. Ontogeny of enamel structure, 959.
Price, C. H. G. Classification of primary tumours in skeleton, 958.
Incidence of osteogenic sarcoma in South-West England and its relationship to Paget's disease, *366.
Price, E. R. Viability of femoral head after fracture of neck of femur, *854.
Price, T. Management of congenital dislocation of hip, 440.
Pridie, K. H. Experience of discography in treatment of cervical disc lesions, 440.
Pulkki, T. Rheumatoid deformities of hand, 238.
Pulvertaft, R. G. *Discussions*, 239, 244, 245.
Profundus graft in presence of normal sublimis, 240.
Treatment of flexor tendon injuries after a long delay, 239.
Visit to Vellore, 247.
Purves, M. J. Paget's disease, 962.
Pygott, F. *Book review*, 755.

R

Rais, O. Heparin treatment of peritenomyosis crepitans acuta, 240.
Raisbeck, C. C. *See* McGibbon, K. C., Deacon, A. E., and Raisbeck, C. C.
Ralph, L. L. Chondromyxoid fibroma of bone, *7.
Rasmussen, J. Aneurysmal bone cysts, 445.
Rasmussen, K. B. Late results of Bentzon operation for pseudarthrosis of scaphoid bone, 246.
Peripheral nerve lesions in upper extremity, 443.
Profundus graft in presence of intact sublimis, 239.
Reconstructive surgery for loss of opponens function, 247.
Rasmussen, K. R. F. Epiphysial injuries, 444.
Ratliff, A. H. C. Fractures of neck of femur in children, *528.
Ray, R. D. *See* Chalmers, J., and Ray, R. D.
See also Stevens, J., and Ray, R. D.
Richard, D. R. Orthopaedic surgery in Northern Nigeria, 227.
Richards, H. J. Genetic factor in Dupuytren's disease (*discussion*), 219.
Radiographic localisation of severed tendons and of adhesions within a synovial sheath, 744.
Rida, A. Dissertation from eighteenth century, probably first description of poliomyelitis, *735.
Riddell, D. M., and Pearson, J. R. Clinical and radiological study of osteoarthritis of hip, 217.
Roaf, R. Preserved homogenous grafts in treatment of fractures and pseudarthroses (*discussion*), 956.
Roberts, N. W. Charnley compression arthrodesis of hip (*discussion*), 742.
Discussions, 956, 957.
Fractures of lowest third of femur, 953.
Robins, R. H. C. Contractures of hand (*discussion*), 245.
Ronnen, J. van. Parosteal sarcoma, 957.
Rose, G. K. Correction of the pronated foot, *642.
Rosen, S. von. Diagnosis and treatment of congenital dislocation of hip joint in the new-born, *284.
Rosendahl. S. Subtalar arthrodesis in fractures of calcaneum, 444.
Ross, F. G. M. Tomography with the polytome, 959.

* Indicates full article.

S

Sahane, M. N. Incision and primary suture of abscesses, 442.
St Clair Strange, F. G. *See* Strange, F. G. St C.
Salib, P. Orthopaedic and traumatic skeletal lesions in ancient Egyptians, *944.
San Giorgi, G. M. Fractures of lowest third of femur, 953.
Sandifer, P. H. *See* Brewerton, D. A., Sandifer, P. H., and Sweetnam, D. R.
Sarpio, O. *See* Langenskiöld, A., Sarpio, O., and Michelsson, J.-E.
Savill, D. L. Surgery of tendons of hand in rheumatoid arthritis (*discussion*), 742.
Sayle-Creer, W. Pes cavus (*discussion*), 741.
Scaglietti, O. Treatment of congenital coxa vara in childhood, 217.
and Calandriello, B. Open reduction of congenital dislocation of hip, *257.
Scales, J. T. *Book review*, 251.
Demonstration, 220.
Scapinelli, R. *See* Casuccio, C., and Scapinelli, R.
Schofield, T. T. *Demonstration*, 220.
Seddon, H. J. *Demonstration*, 220.
Dislocation of hip (*editorial*), 255.
Place of surgery in acute osteomyelitis (*discussion*), 219.
Seglov, P. M. Comminuted fracture of femur, 749.
Sengusta, A. Stress fractures of femur, 230.
Shackman, R. Metabolic response to trauma, *776.
Sharrard, W. J. W. Management of head injuries (*discussion*), 744.
Pes cavus (*discussion*), 741.
Shaw, M. Contractures of hand (*discussion*), 245.
Shephard, E. Tarsal movements (*film*), 741.
Sherman, B. S. *See* Burger, M., Sherman, B. S., and Sobel, A. E.
Shiers, L. G. P. Arthroplasty of knee (*discussion*), 742.
Silk, F. F. *See* Kilburn, P., Sweeney, J. G., and Silk, F. F.
Sillar, W. Anterior approach to spine, 962.
Simurda, M. *Discussions*, 227, 228, 229.
Singh. A., *et al.* Skeletal changes in endemic fluorosis, *806.
Singh, I. Thromboangiitis obliterans, 442.
Singleton, W. P. Cruciate ligament repair (*discussion*), 229.
Sissons, H. A. Histopathology of osteoporosis, 745.
Skoog, W. A. *See* Urist, M. R., *et al.*
Smillie, I. S. Osteomyelitis of patella (*discussion*), 741.
Popliteal arteriovenous aneurysm as a complication of meniscectomy (*discussion*), 744.
Smith, D. A. Stuart-. *See* Stuart-Smith, D. A.
Smith, D. C. Treatment of digital stump neuromata, 227.
Smith, G., and Stevens, J. High pressure oxygen therapy in vascular injuries of limbs, 962.
Smith, R. G. Radiological and isotope methods of determining blood supply of bone, 436.
Sobel, A. E. *See* Burger, M., Sherman, B. S., and Sobel, A. E.
Somerville, E. W. Paralytic calcaneo-cavus deformity, 957.
Soutter, F. E. Spina bifida and epiphysial displacement, *106.
Stack, H. G. Anatomy of fascia of fingers, 243.
Anatomy of muscles and tendons of hand, 237.
Book review, 753.
Discussions, 239, 241, 242.
Muscle function in fingers, *899.
Stack, M. V. Dimensional changes in developing deciduous teeth, 960.
Stamm, T. T. Para-glenoid osteotomy, 228.
Stamm straight prosthesis, 229.
Stanisavljevic, S., and Pool, R., Jun. Paratendinous apparatus of digits, *910.
Steinberg, V. L. *Book review*, 969.
Stener, B. Displacement of ruptured ulnar collateral ligament of metacarpo-phalangeal joint of thumb, 240, *869.
Hyperextension injuries to metacarpo-phalangeal joint of thumb, 241.
Stening, W. Malignant paraplegia (*discussion*), 441.
Stevens, J., and Ray, R. D. Experimental comparison of living and dead bone in rats. 1—Physical properties, *412.
et al. Incidence of osteoporosis in patients with femoral neck fracture, *520.
See also Smith, G., and Stevens, J.
Stevenson, F. H. *Demonstrations*, 220.
Stewart, B. L. Microdensitometry of normal bone, 225.
Stewart, M. J., Gilmer, W. S., Jun., and Edmonson, A. S. Fibrous dysplasia of bone, *302.
Storey, E. Intermittent bone changes and multiple cartilage defects in chronic strontium rickets in rats, *194.
Strange, F. G. St C. Auto-immunity (*discussion*), 743.
Demonstration, 744.
McMurray's osteotomy (*discussion*), 229.
Prognosis in sacro-iliac tuberculosis, 218.
Stuart-Smith, D. A. *See* Dallas, I., *et al.*
Stubbe, L. D. J. Vanishing bones, 955.
Subramaniam, C. S. V., and Mathias, P. F. Aneurysmal bone cyst, *93.
Sugars, J. C. Brittain's "V" arthrodesis, 438.
Sweeney, J. G. *See* Kilburn, P, Sweeney, J. G., and Silk, F. F.
Sweetnam, D. R. *Book review*, 967.
See also Brewerton, D. A., Sandifer, P. H., and Sweetnam, D. R.

T

Taine, G. J. Cervical spine syndromes (*discussion*)' 750.
Taylor, T. K. F. *See* O'Connor, B. T., and Taylor, T. K. F.
Teare, R. D., Bowen, D. A. L., and Drury, R. A. B. Acute peptic ulceration and cerebral fat embolism after fracture, *790.
Thomas, D. F. Kiloh-Nevin syndrome, 962.
Thomas, F. B. Keller's arthroplasty modified, *356.
Thomas, G. Congenital club foot, 956.
Tibial osteotomy for osteoarthritis of knee, 956.
Treatment of acute osteomyelitis (*discussion*), 957.
Thompson, H. The "halo" traction apparatus, *655.
Tissink, J. Scoliosis, 955.
Tratman, E. K. Current dental problems in archaeology, 959.
Trevor, D. *Book review*, 450.
Demonstration, 220.
Trueta, J. *Book reviews*, 450, 756.
Pathological changes in vertebral spinous processes (*discussion*), 218.
Place of surgery in acute osteomyelitis (*discussion*), 219.
Quadricepsplasty (*discussion*), 954.
Tibial osteotomy for osteoarthritis of knee, 956.
Vascular factors in callus formation, 955.
Tubiana, R. *Discussions*, 238, 240, 246.
Surgical approach to tendons of hand, 240.
Tuck, W. H. Drop-foot appliance with rubber torsion socket, *896.
Tupman, G. S. Bone growth in normal children and its relationship to skeletal maturation, *42.

* Indicates full article.

U

Undeland, K. Rotational movements and bony union in shaft fractures of forearm, *340.
Urist, M. R., *et al.* New approaches to the problem of osteoporosis, *464.

V

Vainio, K. Surgery of rheumatoid hand, 237, 238, 239.
Valk, F. A. van der. Maffucci syndrome, 955.
Van der Heul, R. O. *See* Heul, R. O. van der.
Van der Valk, F. A. *See* Valk, F. A. van der.
Van Linge, B. *See* Linge, B. van.
Van Nes, C. P. *See* Nes, C. P. van.
Van Ronnen, J. *See* Ronnen, J. van.
Vander Elst, E. *See* Elst, E. vander.
Vaughan-Jackson, O. J. Auto-immunity (*discussion*), 743.
Discussions, 228, 246.
Radiographic localisation of severed tendons and of adhesions within a synovial sheath (*discussion*), 744.
Rheumatoid deformities of hand, 238, 239.
Rheumatoid hand deformities considered in light of tendon imbalance, *764.
Surgery of tendons of hand in rheumatoid arthritis, 742.
Venemans. Tibial osteotomy for osteoarthritis of knee, 956.
Verbeek, O. *Discussions*, 953, 954.
Preserved homogenous grafts in treatment of fractures and pseudarthroses, 955.
Verdan, C. Classical sites of fracture in scaphoid bone, 245.
Discussions, 240. 242, 245, 247.
Tendon sutures in " no-man's land," 239.
Vitali, M. Prosthetic management of a case of essential osteolysis, *652.
Von Rosen, S. *See* Rosen, S. von.
Vora, L. N. Fractures of lateral condyle of humerus in children, 443.

W

Wainwright, D. *Discussions*, 954, 957.
Treatment of acute osteomyelitis (*discussion*), 957.
Walker, D. Contractures of hand (*discussion*), 244.
Wardle, E. N. *See* Brookes, M., and Wardle, E. N.
Watson-Jones, Sir R. Fracture-dislocation of hip, 954.
Fracture-dislocation of pelvis (*discussion*), 216.
Quadricepsplasty (*discussion*), 954.
Weatherell, J. A. *See* Atkinson, P. J., Weatherell, J. A. and Weidmann, S. M.
See also Weidmann, S. M., and Weatherell. J. A.
Webster, C. U. *See* Hall, M. R. P., Handley, D. A., and Webster, C. U.
Weidmann, S. M., and Weatherell, J. A. Effects of fluoride on bone, 437.
See also Atkinson, P. J., Weatherell, J. A., and Weidmann, S. M.
Wells, C. Joint pathology in ancient Anglo-Saxons, *948.
White, R. G. Studies in transplantation of bone: a new approach (*editorial*), 3.
White, W. F. Surgery of spastic hand, 246.
Whitefield, G. A. Recurrent dislocation of carpal scaphoid bone, 963.
Wilkinson, J. A. Femoral anteversion in rabbit, *386.
Wilkinson, M. C. Partial synovectomy in treatment of tuberculosis of knee, *34.
Surgery of tendons of hand in rheumatoid arthritis (*discussion*), 742.
Williamson, J. C. F. Ll. Compound ganglia, 228.
Willis, W. H. Kirkaldy-. *See* Kirkaldy-Willis, W. H.
Wilson, J. N. *Book review*, 970.
Demonstrations, 220.
Radial head fractures (*discussion*), 743.
Wood, A. M., and Bowen, R. Reconstructive surgery of hand, 232.
Wouters, H. W. Fracture-dislocation of hip, 954.
Influence of flexor and adductor muscles in osteoarthritis of hip (*discussion*), 217.
Operation for winged scapula, 954.
Quadricepsplasty (*discussion*), 954.
Traumatic dislocation of hip, 233.
Wright, P. R. *Demonstration*, 744.
Wynn Parry, C. B. *Discussions*, 238, 242, 245.
Polymyositis in rheumatoid arthritis, 237.
Rehabilitation of severe hand injuries, 241.
Wynne-Davies, R. Research on club foot, 440.
Wytt, W. de. *See* De Wytt, W.

Z

Zaccalini, P. S. *See* Urist, M. R., *et al.*
Zachariae, L. Results of nerve suture in upper extremity, 444.
Zuk, T. Role of spinal and abdominal muscles in pathogenesis of scoliosis, *102.

* Indicates full article.

SUBJECT INDEX

A

Abdominal muscles, transplantation of, for psoas paralysis, 443.
Acetabuloplasty for congenital dislocation of hip, 257.
Acetabulum, fractures, *550.
Acidosis, metabolic, post-traumatic, 776.
Acromegaly, osteoporosis in, 487.
Acromio-clavicular joint, dislocation, 227.
Actinomycosis. *See* Nocardiosis.
Adamantinoma of long bones, *25.
of tibia, 961.
Adams, John Crawford, awarded Robert Jones Gold Medal and Prize, 964.
Adrenal glands, response to trauma, 779.
Adrenocortical steroids
in etiology of osteoporosis, 457, 462.
See also Cortisone; Cushing's syndrome.
Africa
British East, orthopaedics in, 230.
See also Association of Surgeons of East Africa; *see also* South Africa.
Albee, Fred Houdlett, 221.
Amputation(s)
hindquarter, traumatic, *384.
stumps
healing of, in rabbits, *431.
neuromata of, digital, treatment, injections, 227.
pain in, 236.
Andry, Nicolas, and his *Orthopaedia* (*book review*), 249.
Aneurysm, arterio-venous. *See* Fistula, arterio-venous.
Aneurysmal bone cysts, *93, 229, 445.
Angioblastoma, malignant, of bone. *See* Adamantinoma of long bones.
Ankle laxity, anterior, in etiology of recurrent paralytic drop foot, *377.
Anoxia, post-traumatic, *778.
Anterior interosseous nerve, Kiloh-Nevin syndrome, 962.
Antibiotics. *See* Penicillin; Tetracyclines.
Arm. *See* Limbs, upper; *see also* Forearm.
Arterial spasm
caused by tourniquets, 941.
See also Ischaemic contracture.
Arteries
axillary, rupture of
complicating anterior dislocation of shoulder, *116.
without dislocation or fracture, *114.
brachial, rupture of, complicating compound posterior dislocation of elbow, *119.
femoral, injury of, complicating fracture of femoral shaft, 439.
repair with autogenous connective tissue tubes, experimental, 245.
See also Vascular disorders; Vascular injuries.
Arteriovenous fistula, popliteal, complicating meniscectomy, 744.
Arthritis
deformans. *See* Osteoarthritis.
neuropathic. *See* Charcot's arthropathy.
pyogenic, of hip, 851.
rheumatoid
hand in
surgery of (*editorial*), 759; (*symposium*), 237.
tendon rupture, 228, *764.
tendon surgery, 742.
polymyositis in, 237.
tuberculous. *See* Tuberculosis, joint.
Arthrodesis. *See under names of joints.*
Arthrography. *See under names of joints.*
Arthroplasty. *See under names of joints.*
Artificial limbs. *See* Prostheses.
Association of Surgeons of East Africa, annual meeting, 1961, 231.
Association of Surgeons of India, Orthopaedic Section, meetings, 1960 and 1961, 442.
Australian Orthopaedic Association
annual meeting, 1961, 440.
joint meeting with New Zealand Orthopaedic Association, 1962, 748.
Auto-immunity, 743.
Axillary artery, rupture of
complicating anterior dislocation of shoulder, *116.
without dislocation or fracture, *114.

B

Bentzon operation for non-union of scaphoid, 246.
Biesalski, Konrad, 221.
Bladder, urinary
ectopic, pelvic osteotomy in, 439.
mucosa, induction of osteogenesis by, *165.
Blood loss and replacement, *778.
Blood vessels
tumours. *See* Adamantinoma; Glomus tumours; Maffucci's syndrome.
See also Arteries; Ischaemic contracture; Vascular disorders; Vascular injuries.
Bone and bones
adamantinoma (so-called), *25, 961.
blood supply, determination of, 436.
changes in neurofibromatosis, *880.
chondroblastoma, benign, 445.
cysts, 229.
aneurysmal, *93, 445.
defects, healing of
effect of chondroitin sulphate, *675.
effect of protecting blood clot, *424.
experimental study, *928.
density changes with age in human femoral cortex, *496.
microdensitometric study, 225.
disappearing. *See* Osteolysis, massive.
eosinophilic granuloma, 961.
fibroma, chondromyxoid, *7.
fibrous dysplasia, 219, *302.
monostotic, 439.
fluorides and (*symposium*), 437.
fluorosis, endemic, *806.
formation, ectopic. *See* Myositis ossificans.
grafts and grafting, 955.
foetal, growth of transplanted whole bones in different immunological environments, *149.
immunity reaction to (*editorial*), 3.
changes occurring in lymphoid tissue, *131, *688.
growth
and remodelling studied with tetracyclines, 216, 225, 963.
longitudinal
in normal children, relationship to skeletal maturation, *42.
See also Cartilage, epiphysial.
organisation of, 161.
See also Osteogenesis.
hydatid disease, 443.
marrow, total volume changes during body growth, 960.
matrix in normal and osteoporotic bone, *458, *503.

* Indicates full article or appreciable part.

Bone and bones (*continued*):
minerals, solubility studies, 226.
necrosis, comparison of physical properties of living and dead bone, *412.
osteoid seams, width of, in health and disease, 226.
Paget's disease, 962.
bone turnover in, studied with tetracyclines, 216, 225.
sarcoma in, osteogenic, incidence in South-West England, *366.
sarcoma, osteogenic
incidence in South-West England and relationship to Paget's disease, *366.
parosteal, 957.
tissue and organ culture, 960.
tumours
giant-cell. *See* Osteoclastoma.
glomus, *648.
primary, classification, 958.
See also more specific terms under Bone.
See also Epiphyses; *and names of bones.*
Bone and Tooth Society, meetings, 1961, 225, 437; 1962, 745, 958.
Book reviews and annotations:
Adams, J. C. Outline of orthopaedics, 4th edition, 1961, 450.
American College of Surgeons. Management of fractures and soft-tissue injuries, 1960, 752.
Andry, N. Orthopaedia, 1st English edition, 1743 (facsimile reproduction, 1961), 249.
Austin, G. The spinal cord, 1961, 968.
Bado, J. L. The Monteggia lesion, 1962, 968.
Bakalim, G. Tuberculous spondylitis, 1960, 448.
Barnett, C. H., Davies, D. V., and MacConaill, M. A. Synovial joints, 1961, 251.
Batten, R. L. Surgery of trauma in the tropics, 1961, 252.
Bell, G. H., *ed.* Hospital and medical school design, 1962, 966.
Biggart, J. H. Pathology of the nervous system, 3rd edition, 1961, 972.
Birmingham University. Symposium on accident management, 1961, 252.
Bolton, E., and Goodwin, D. Introduction to pool exercises, 2nd edition, 1962, 973.
Brocher, J. E. W. Wirbelsäulenleiden und ihre Differentialdiagnose, 3rd edition, 1962, 757.
Chaves, D. A. Lições de clinica ortopédica, 1961, 450.
Clarkson, P., and Pelly, A. General and plastic surgery of the hand, 1962, 967.
Clinical Orthopaedics, Nos. 20 and 21, 1961, and No. 22, 1962, 752.
Comar, C. L., and Bronner, F., *eds.* Mineral metabolism, Vol. 1, Pt. B, 1961, 970.
Creyssel, J., and Schnepp, J. Fractures transcotyloïdiennes du bassin, 1961, 451.
Drexler, L. Röntgenanatomische Untersuchungen über Form und Krümmung der Halswirbelsäule in den verschiedenen Lebensaltern, 1962, 973.
Ebner, M. Connective tissue massage, 1962, 973.
Falkenberg, J. Experimental study of the rate of fracture healing, 1961, 253.
Farquharson, E. L. Textbook of operative surgery, 2nd edition, 1962, 973.
Geiler, G. Die Synovialome, 1961, 449.
Grokoest, A. W., Snyder, A. I., and Schlaeger, R. Juvenile rheumatoid arthritis, 1962, 969.
Henderson, J. L. Cerebral palsy in childhood and adolescence, 1961, 449.
Henry Ford Hospital Medical Bulletin, Vol. 8, No. 2, Pt. 2, 1960, and Vol. 9, No. 1, Pt. 2, 1961, 754.
Heul, R. O. van der. Periostale ossificerende fibrosarcoom, 1962, 973.
Book reviews and annotations (*continued*):
Hoerr, N. L., Pyle, S. I., and Francis, C. C. Radiographic atlas of skeletal development of the foot and ankle, 1962, 755.
Hohmann, G., Hackenbroch, M., and Lindemann, K., *eds.* Handbuch der Orthopädie, Vol. 4, Pt. 2, 1961, and Registerband, 1962, 756.
Huson, A. Anatomical and functional study of the tarsal joints, 1961, 451.
Jochheim, K.-A., Loew, F., and Rütt, A. Lumbaler Bandscheibenvorfall, 1961, 757.
Johansson, O. Capsular and ligament injuries of the elbow joint, 1962, 757.
Johnson, W. H., and Kennedy, J. A. Radiographic anatomy of the human skeleton, 1961, 451.
Lamoen in Matricali, E. A. M. van. Anatomical and functional study of the wrist-joint, 1961, 451.
Lange, M. Orthopädisch-chirurgische Operationslehre, 2nd edition, 1962, 753.
Löe, H. Bone tissue formation, 1959, 448.
McGregor, I. A. Fundamental techniques of plastic surgery, 2nd edition, 1962, 757.
Meijers, K. A. E. Study of the articulation of the shoulder, 1961, 451.
Moseley, H. F. Recurrent dislocation of the shoulder, 1961, 447.
Nixon, H. H., and O'Donnell, B. Essentials of paediatric surgery, 1961, 253.
Nomina anatomica, 2nd edition, 1961, 972.
Poliomyelitis, papers . . . presented at the 5th International Poliomyelitis Conference (1960), 1961, 754.
Proctor, H., and London, P. S. Principles for first aid for the injured, 1962, 970.
Pylkkänen, P. V. Coxa vara infantum, 1960, 250.
Rabinovitch, R. Diseases of the intervertebral disc, 1961, 251.
Rank, B. K., and Wakefield, A. R. Surgery of repair as applied to hand injuries, 2nd edition, 1960, 971.
Rathke, F. W. Juvenilen Rückgratverkrümmungen, 1961, 253.
Robins, R. H. C. Injuries and infections of the hand, 1961, 753.
Saha, A. K. Theory of shoulder mechanism, 1961, 967.
Smal, G. Rééducation des traumatisés, 1962, 757.
Smillie, I. S. Injuries of the knee joint, 3rd edition, 1962, 971.
Verbeek, O., and Dubbelman, C. P. Pseudarthrosis of the long bones, 1961, 448.
Watermann, R. Die Gefässkanäle der Kniegelenksnahen Wachstumszonen, 1961, 757.
Weller, S., and Köhnlein, E. Traumatologie des Kniegelenks, 1962, 756.
Wiederherstellungschirurgie und Traumatologie, Vol. 6, 1961, 252.
Wirbelsäule in Forschung und Praxis, Referatenbände, 451.
Brachial artery, rupture of, complicating compound posterior dislocation of elbow, *119.
Brand's tendon transplant for intrinsic paralysis, 438.
Britain
ancient, joint pathology in, *948.
orthopaedics in, report of Travelling Fellows, 1961, 223.
British Orthopaedic Association
election of officers, fellows, etc., 745, 953.
Instructional Course Lecture, *776.
meetings, 1961, annual, 216; 1962, spring, 741; 1963, 751.
Robert Jones Gold Medal and Prize
prize essays, 1959, *42, *165.
awards, 1961, 964.
announcement, 248.

* Indicates full article or appreciable part.

British Orthopaedic Association (*continued*):
Robert Jones Golf Cup competition, 745.
British Orthopaedic Travelling Club, 2nd meeting, 1962, 953.
Brittain's " V " arthrodesis of hip, 228, 438, *588.
Buerger's disease. *See* Thromboangiitis obliterans.
Bunnell, Sterling, 221.
Burns, treatment, levitation in, 220.

C

Calcaneum
fractures, treatment
arthrodesis, subtalar, 444.
peroneal release in, 961.
osteotomy, for club foot, 218.
role in foot deformities, 748.
Calcium absorption test using Ca^{47}, 226.
Calculi, urinary, etiology, 186.
Calvé-Legg-Perthes' disease. *See* Hip, osteochondritis.
Capener, Norman, presented with *Médaille d'Argent de la Ville de Paris*, 235.
Carcinoma metastatic to spine, paraplegia complicating, 440.
Carpus. *See* Wrist; *see also* Scaphoid bone.
Cartilage
articular, regeneration of, after tuberculous arthritis, 34.
epiphysial
growth of, in transplanted foetal bones, *149.
injuries, 444.
See also Bone growth, longitudinal.
tumours. *See* Chondroblastoma; Chondromyxoid fibroma; Maffucci's syndrome.
Cerebral palsy
hand in, surgery of, 246.
hip in, dislocation, *573.
treatment, operative, *68.
Cervical spondylosis, 750.
Charcot's arthropathy of hip after intra-articular cortisone therapy, 229.
Charnley's arthrodesis of hip by central dislocation, 741.
China, congress of traumatology and orthopaedics, 1961-62, 446.
Chondroblastoma, benign, of femoral head, 445.
Chondroectodermal dysplasia, *626.
Chondroitin sulphate, effect on rate of bone repair, *675.
Chondromyxoid fibroma, *7.
Clavicle, fractures, 440.
Claw foot
associated with spina bifida occulta, *828.
etiology, 741.
See also Foot, calcaneo-cavus.
Claw hand, mechanics of, 908.
Club foot, 440.
recurrent or resistant, treatment, osteotomy of calcaneum, 218.
treatment, 748, 956.
Codman's tumour. *See* Chondroblastoma, benign.
Collagen of bone, changes in osteoporosis, *503.
Colles's fracture, treatment, elbow hinge in, 227.
Congenital abnormalities of limbs, classification of, 231.
Contracture
Dupuytren's
genetic factor in, 219.
incidence, *602.
treatment, operative, 243, 244, 245, 438.
ischaemic
of intrinsic muscles of hand, 243.
treatment, operative, 220, 244.
Cortisone
arthropathy of hip, 229.
See also Adrenocortical steroids.
Council of Europe Travelling Fellowship, report of fellow, 436.
Coxa plana. *See* Hip, osteochondritis.
Coxa valga
in congenital dislocation of hip, 257.
paralytic, *573.
Coxa vara
adolescent. *See* Femur, epiphysis, upper, slipping of.
congenital, treatment, osteotomy, 217.
Cruciate ligaments, repair of, 229.
Cushing, Harvey, inventor of pneumatic tourniquet, 940.
Cushing's syndrome, osteoporosis in, 489.
Cysts, *See* Bone cysts.

D

Danish Orthopaedic Association, meetings, 1961, 443.
Deformities, congenital, of limbs, classification, 231.
Delchef, Jean Joseph Edouard Ghislain (*obituary*), 950.
Diastematomyelia, 831.
Discs, intervertebral, lesions
diagnosis, 440.
treatment, manipulation, 440.
Dislocations. *See under names of joints.*
Drop foot
appliance with rubber torsion socket, *896.
recurrent, etiology, anterior laxity of ankle, *377.
Dupuytren's contracture
genetic factor in, 219.
incidence, *602.
treatment, operative, 243, 244, 245, 438.
Dutch Orthopaedic Society. *See* Nederlandse Orthopaedische Vereniging.
Dyschondroplasia, Ollier's. *See* Maffucci's syndrome.
Dysplasia
chondroectodermal, *626.
epiphysialis multiplex
double-layer patellae in, *569.
simulated by familial Perthes' disease, *565.
fibrous, 219, *302.
monostotic, 439.
Dysraphism, spinal. *See* Spina bifida.

E

East Anglian Orthopaedic Club, meetings, 1961, 227, 229, 961; 1962, 962.
Echinococcosis. *See* Hydatid disease.
Ectopia vesicae. *See* Bladder, urinary, ectopic.
Edelstein, J. M., appointed to chair of orthopaedic surgery, University of Witwatersrand, 963.
Egypt, ancient, orthopaedic and traumatic lesions in, *944.
Elbow dislocation, posterior, compound, with rupture of brachial artery, *119.
Electromyography
in study of scoliosis, *102.
normal patterns in leg muscles during function, 956.
Elmslie's operation for calcaneus deformity, 220.
Embolism, fat (*editorial*), 761.
peptic ulcers complicating, *790, *794.
Encephalitis, tick-borne, osteitis due to virus of, experimental study, *722.
Eosinophilic granuloma of scapula, 961.
Epilepsy, association with Dupuytren's contracture, 608.
Epiphyses
displacement of, in spina bifida, *106.
See also under names of bones.

* Indicates full article or appreciable part.

Epiphysial cartilage
growth of, in transplanted foetal bones, *149.
injuries, 444.
See also Bone growth, longitudinal.
Epiphysial dysplasia, multiple
double-layer patellae in, *569.
simulated by familial Perthes' disease, *565.
Epiphysial stapling for leg equalisation, *82.
with heavy Vitallium staples, *86.
Esmarch bandage, 939.
Extremities. *See* Limbs.

F

Fat embolism (*editorial*), 761.
peptic ulcers complicating, *790, *794.
Federation of the Handicapped, 223.
Femoral artery, injury of, complicating fracture of femoral shaft, 439.
Femur
deformities of upper end of, etiology, muscular imbalance, *398.
epiphysis, upper, slipping of, treatment, 445, 750, 960.
wedge osteotomy, 438.
fractures
comminuted, 749.
of lowest third of, 953.
of neck of
in abduction, prognosis, *324.
in children, *528.
necrosis of femoral head after, diagnosis, 436; (*editorial*), 760.
dye clearance, *854.
proof puncture and phlebography, *858.
osteoporosis associated with, incidence, *520, 746.
spontaneous, *543.
treatment (*film*), 961.
nailing, use of television in, 962.
osteotomy, subtrochanteric, 439.
of shaft of
complicated by injury to femoral artery, 439.
treatment, nailing, intramedullary
fracture of nail after, 961.
osteoma complicating, 439.
stress, 230.
head of, necrosis
after fracture of femoral neck
in abduction, *324.
in children, *531.
after fracture-dislocation of hip, 954.
diagnosis, 436; (*editorial*), 760.
dye clearance, *854.
proof puncture and phlebography, *858.
See also Hip, osteochondritis.
neck of, anteversion
in congenital dislocation of hip, 257.
in rabbit, *386.
osteotomy
for congenital coxa vara, 217.
for congenital dislocation of hip, 257.
for paralytic dislocation of hip, *573.
for slipped upper epiphysis, 438.
intertrochanteric, for osteoarthritis of hip, 220, 229, *595, 747.
cartilage restoration after, 961.
subtrochanteric, for fractures of femoral neck, 439.
in children, 538.
Fibroma, chondromyxoid, *7.
Fibrosarcoma, ossifying, periosteal. *See* Sarcoma, osteogenic, parosteal.
Fibrous dysplasia, 219, *302.
monostotic, 439.
Fingers
amputation stump neuromata, treatment, injections 227.
fascia of, anatomy, 243, 244.
injuries, skin cover in, 242, 243.
muscle function in, *899.
paratendinous apparatus of, *910.
tumours, glomus, intraosseous, *648.
Fistula, arteriovenous, popliteal, complicating meniscectomy, 744.
Flat foot
congenital, due to vertical talus, 229.
treatment, *642.
Fluorosis (*symposium*), 437.
endemic, bone changes in, *806.
Foot
calcaneo-cavus, paralytic, treatment, 957.
calcaneus, treatment, Elmslie's operation, 220.
claw, etiology, 741.
club, 440.
recurrent, treatment, osteotomy of calcaneum, 218.
treatment, 748, 956.
deformities
associated with spina bifida occulta, *828.
role of calcaneum in, 748.
drop
appliance with rubber torsion socket, *896.
recurrent, etiology, anterior laxity of ankle, *377.
flat
congenital, due to vertical talus, 229.
treatment, *642.
See also Hallux rigidus; Hallux valgus; Tarsus.
Footwear, problems of fitting in children, 439.
Forearm
bones, defects of, treatment, radio-ulnar fusion, 743.
fractures
non-union of, *614.
treatment
bone grafting
inlay, *340.
primary, 749.
fixation with inlay metal plate without screws, 247.
ischaemic contracture, treatment, operative, 220, 244.
Fracture(s)
healing
vascular factors in, 955.
See also Bone defects, healing of.
non-union of, treatment, bone grafting, 955.
osteoporosis associated with, incidence, 746.
stress
in children, 219.
of femur, 230.
treatment, nailing, intramedullary, complicated by osteoma, 439.
See also under names of bones; see also Fat embolism.
Frozen shoulder, treatment, 963.
Fungus infections. *See* Nocardiosis.

G

Ganglioneuroma arising by maturation of neuroblastoma, *886.
Gangrene, streptococcal, acute, *891.
Genu recurvatum
paralytic, treatment, 221.
treatment, osteotomy, 441.
Giant-cell tumours. *See* Osteoclastoma.
Glomus tumours, intraosseous, *648.

* Indicates full article or appreciable part.

Granuloma, eosinophilic, of scapula, 961.
Great Britain. *See* Britain.
Growth hormone, effect on tendon healing, 241.
Gunn, Donald R., appointment to Chair of Orthopaedic Surgery, University of Malaya, 233.

H

Haemangiomata. *See* Maffucci's syndrome.
Haemangiopericytoma. *See* Glomus tumours.
Haematemesis complicating fat embolism, 761, *794.
Haemophilia, blood cysts in treatment, operative, *781.
Haemostasis, tourniquets, *937.
Hallux rigidus, treatment, Keller's arthroplasty with distracting device, *356.
Hallux valgus, treatment
Joplin's operation, 445.
Keller's arthroplasty with distracting device, *356.
operative, 228.
osteotomy of neck of first metatarsal, *349.
"Halo" cervical splint, *655.
Hand
claw, mechanics of, 908.
contractures (*symposium*), 243.
Dupuytren's
genetic factor in, 219.
incidence, *602.
treatment, operative, 438.
infections, treatment, 227.
injuries, 232.
leprous, surgery of, 442; (*correction*), 964.
muscles and tendons
anatomy, 237.
peritenomyosis crepitans acuta, treatment, heparin, 240.
nerve injuries (*symposium*), 241.
paralysis, intrinsic, treatment, tendon transplantation, Brand's method, 438.
rheumatoid
surgery of (*editorial*), 759; (*symposium*), 237.
tendon rupture in, 228, *764.
tendon surgery in, 742.
spastic, surgery of, 246.
surgery, Kirschner wiring in, 441.
tendons
approaches to, 240.
flexor
grafting (*symposium*), 239.
contraction and growth of grafts, 243, 244.
suture, in "no-man's land," 239.
injuries, radiography in, 744.
surgery, polyethylene in, 240.
"thick," 241.
See also Fingers; Thumb; Wrist; *see also* Second Hand Club.
Harris, R. I., Visiting Professor in University of British Columbia, 230.
Head injuries, management of, 743.
Helfet insole, 646.
Heparin in treatment of peritenomyosis crepitans acuta, 240.
Hindquarter avulsion, *384.
Hip
arthritis, pyogenic, 851.
arthrodesis
Brittain's V-type, 228, 438, *588.
central dislocation operation, 741.
intra-articular, for tuberculosis with massive joint destruction, *800.
with Küntscher nail for failed replacement arthroplasty, 441.
arthrography in children, hazards of, 443.
Hip (*continued*):
arthroplasty
Judet, 439.
replacement, unsuccessful, arthrodesis after, with Küntscher nail, 441.
Stamm prosthesis, 229.
Charcot's arthropathy, after intra-articular cortisone therapy, 229.
dislocation
congenital, 440.
anteversion of femoral neck in, experimental study, *386.
diagnosis
and treatment in new-born, *284, *292; (*correspondence*), 964; (*editorial*), 255.
arthrography, 219.
high, treatment, open reduction, 220.
treatment, 436, 443.
open reduction, *257.
experimental, in young rabbits, *209.
paralytic, *573.
traumatic, 233.
anterior, *129.
fracture-dislocation, 954.
muscles, role in etiology of femoral neck deformities, *398.
osteoarthritis, 217.
treatment
arthrodesis, Brittain's V-type, *588.
muscle release, 217, 961.
operative, 747.
osteotomy, intertrochanteric, 220, 229, *595, 747.
cartilage restoration after, 961.
osteochondritis
complicating congenital dislocation, 282.
etiology, 534.
familial, resembling multiple epiphysial dysplasia, *565.
osteochondritis dissecans following, *562.
treatment, 962.
See also Femur, head of, necrosis.
osteochondritis dissecans following Perthes' disease, *562.
paralysis
dislocation following, *573.
psoas, treatment, transplantation of abdominal muscles, 443.
tuberculosis with massive joint destruction, treatment, arthrodesis, intra-articular, *800.
See also Acetabulum; Femur; *see also* Coxa valga; Coxa vara.
Hodgson, A. R., appointment to Chair of Orthopaedic Surgery, University of Hong Kong, 232.
Holland
establishment of first chair of orthopaedics in, 445.
See also Nederlandse Orthopaedische Vereniging.
Hong Kong University, establishment of Chair of Orthopaedic Surgery at, 232.
Huckstep, Ronald, 231.
Humerus, fractures of lateral epicondyle of, in children, 443.
Hydatid disease of bone, 443.
Hyperthyroidism, osteoporosis in, 490.
balance studies, 747.
Hysterical deformities of fingers, 245.

I

Ilio-psoas
release for osteoarthritis of hip, 217, 961.
tendon lengthening in open reduction of congenital dislocation of hip, 259, 274.
See also Psoas.
India. *See* Association of Surgeons of India.

* Indicates full article or appreciable part.

Infections
cross-infection in hospitals, 220.
See also Arthritis, pyogenic; Leprosy; Mycobacterium ulceranus; Nocardiosis; Osteomyelitis; Staphylococcal infections; Streptococcal gangrene; Tuberculosis.
Injuries
metabolic response to, *776.
See also Burns; Fractures; *and under parts of body.*
Insoles, 646.
International Prosthetics Course, 4th, 1961, 235.
International Society of Orthopaedic Surgery and Traumatology
9th congress, 1963, 751.
Jean Delchef and, 952.
Interosseous nerve, anterior, Kiloh-Nevin syndrome, 962.
Intervertebral discs, lesions
diagnosis, 440.
treatment, manipulation, 440.
Intramedullary nailing
Küntscher's, of hip, after failed replacement arthroplasty, 441.
of femur
fracture of nail after, 961.
osteoma complicating, 439.
of tibia, *328.
Irish Orthopaedic Club, meetings, 1961, 438; 1962, 747.
Ischaemic contracture
of intrinsic muscles of hand, 243.
treatment, operative, 220, 244.
Isotopes, radioactive. *See* Calcium; Strontium.
Italian Society of Orthopaedics and Traumatology. *See* Società Italiana di Ortopedia e Traumatologia.

J

Joints
articular fibrous tissue of, elastic fibres in, 226.
cartilage, articular, regeneration of, after tuberculous arthritis, 34.
lubrication, *662.
pathology in ancient Anglo-Saxons, *948.
tuberculosis in children, 963.
tumours. *See* Synovioma.
See also Arthritis; *and names of joints.*
Jones, Sir Robert, 221.
Gold Medal and Prize
prize essays, 1959, *42, *165.
awards, 1961, 964.
announcement, 248.
Golf Cup competition, 745.
Joplin's operation for hallux valgus, 445.
Judet arthroplasty of hip, 439.

K

Keller's arthroplasty, modified, with distracting device, *356.
Kidney. *See* Renal failure; Urinary calculi.
Kiloh-Nevin syndrome, 962.
Kirkaldy-Willis, William H., 230.
Kirschner wiring in hand surgery, 441.
Knee
arthroplasty, cup, 742.
ligaments
calcinosis of, acute, 439.
cruciate, repair of, 229.
meniscectomy, popliteal arteriovenous fistula complicating, 744.
osteoarthritis, treatment, osteotomy of tibia, 956.
stiffness, treatment, quadricepsplasty, 954.
synovectomy, 443.
for tuberculosis, *34, 442.
See also Genu recurvatum; *see also* Patella.
Küntscher nailing
of femur, osteoma complicating, 439.
of hip after failed replacement arthroplasty, 441.
of tibia, *328.

L

Lambotte, Albin, 245.
Lange, Fritz, 221.
Leg. *See* Limbs, lower.
Legg-Perthes' disease. *See* Hip, osteochondritis.
Leprosy, hand in, surgery of, 442; (*correction*), 964.
Levitation in treatment of burns, 220.
Ligaments. *See under names of joints.*
Ligamentum teres in congenital dislocation of hip, 266, 275.
Limbs
congenital deformities, classification, 231.
lower
hindquarter avulsion, *384.
length discrepancy associated with spina bifida occulta, *828.
length equalisation
epiphysial stapling, *82.
with heavy Vitallium staples, *86.
growth prediction data for, *42.
prostheses
below-knee, patellar tendon-bearing, *795.
in case of massive osteolysis, *652.
See also Locomotion.
upper
nerve injuries, 443.
See also Forearm.
Lister, Joseph, Baron, use of tourniquet by, 937.
Little, William John, memorial plaque to (*correction*), 248.
Liverpool University
degree of M.Ch.Orth., 436.
Hugh Owen Thomas memorial lecture, 1961, 436.
Locomotion, electromyographic study, 956.

M

McMurray's osteotomy for osteoarthritis of hip, 220, 229, *595, 747.
cartilage restoration after, 961.
Madura foot. *See* Nocardiosis.
Maffucci's syndrome, 955.
Malaya University, Chair of Orthopaedic Surgery, appointment of D. R. Gunn, 233.
Mayer, Leo, *220.
Median nerve. *See* Anterior interosseous nerve.
Meningomyelocoele. *See* Spina bifida.
Meniscectomy, popliteal arteriovenous fistula complicating, 744.
Metacarpo-phalangeal joint of thumb
injuries, 240, 241.
ruptured ulnar collateral ligament, displacement of, *869.
Metals, tissue reactions to, minor, *122.
Metatarsal bone, first, osteotomy of neck of, for hallux valgus, *349.
Metatarso-phalangeal joint, first, arthroplasty, Keller's, with distracting device, *356.
Microradiography, densitometric study of normal bone, 225.
Mucopolysaccharides
of bone, changes in osteoporosis, *458.
See also Chondroitin sulphate.
Mucoprotein derived from vesical mucosa, common role in stone formation and in osteogenesis induced by mucosal transplant, 186.
Multiple epiphysial dysplasia
double-layer patellae in, *569.
simulated by familial Perthes' disease, *565.

* Indicates full article or appreciable part.

Muscle(s)
blood flow changes in, due to exercise, 445.
hypertrophy due to strenuous exercise in rat, *711.
injuries, 232.
See also Polymyositis; *see also names of muscles, and under body regions.*
Mycobacterium ulceranus, skin lesions due to, 232.
Mycoses. *See* Nocardiosis.
Myelodysplasia. *See* Spina bifida.
Myelomeningocoele. *See* Spina bifida.
Myositis
ossificans accompanying viral osteitis, 722.
See also Polymyositis.

N

Nailing, intramedullary
Küntscher's, of hip, after failed replacement arthroplasty, 441.
of femur
fracture of nail after, 961.
osteoma complicating, 439.
of tibia, *328.
Neck. *See* Spine, cervical; *see also* Torticollis.
Nederlandse Orthopaedische Vereniging, meetings, 1960 and 1961, 445.
Nerve(s)
anterior interosseous, Kiloh-Nevin syndrome, 962.
compression by tourniquets, 941.
injuries
in hand (*symposium*), 241.
in upper limb, 443.
ulnar, paralysis, claw hand in, mechanics of, 908.
Netherlands. *See* Holland; *see also* Nederlandse Orthopaedische Vereniging.
Neuroblastoma, spontaneous regression with maturation to ganglioneuroma, *886.
Neurofibromatosis, cervical deformity in, *880.
Neuromata of amputation stumps, digital, treatment, injections, 227.
New Zealand Orthopaedic Association, joint meeting with Australian Orthopaedic Association, 1962, 748.
Nigeria, Northern, orthopaedics in, 227.
Nocardiosis osteomyelitis, 441.
North-East Metropolitan Regional Orthopaedic Club, meeting, 1962, 960.
North-West Metropolitan Regional Orthopaedic Club, meetings, 1961, 227; 1962, 962.

O

Obituary: Delchef, Jean Joseph Edouard Ghislain, 950.
Oestrogens in urine of infants with congenital dislocation of hip, 286.
Ollier's dyschondroplasia. *See* Maffucci's syndrome.
Opponens pollicis paralysis, reconstructive surgery for, 247.
Orthopaedics
in ancient Egypt, *944.
in Britain, report of Travelling Fellows, 1961, 223.
in British East Africa, 230.
in China, 446.
in Northern Nigeria, 227.
Ortolani's test for congenital dislocation of hip, 255, 284, 292.
Ossification, ectopic. *See* Myositis ossificans.
Osteitis
deformans. *See* Paget's disease of bone.
See also Osteomyelitis.
Osteoarthritis
of hip, 217.
treatment
arthrodesis, Brittain's V-type, *588.
Osteoarthritis (*continued*):
of hip (*continued*):
treatment (*continued*):
muscle release, 217, 961.
operative, 747.
osteotomy, intertrochanteric, 220, 229, *595, 747.
cartilage restoration after, 961.
of knee, treatment, osteotomy of tibia, 956.
of spine. *See* Spondylosis.
Osteochondritis
dissecans of hip following Perthes' disease, *562.
of hip
complicating congenital dislocation, 282.
etiology, 534.
familial, resembling multiple epiphysial dysplasia, *565.
osteochondritis dissecans following, *562.
treatment, 962.
See also Femur, head of, necrosis.
Osteoclastoma, 230, 748.
Osteogenesis
induction by vesical mucosal transplant, *165.
See also Bone defects, healing of; Bone growth; Epiphysial cartilage; Fracture healing.
Osteogenic sarcoma
incidence in South-West England and relationship to Paget's disease, *366.
parosteal, 957.
Osteoid seams, width of, in health and disease, 226.
Osteolysis, massive, 955.
prosthetic management of case of, *652.
Osteoma complicating Küntscher nailing of femur, 439.
Osteomalacia
width of osteoid seams in, 226.
See also Rickets.
Osteomyelitis, *841.
diagnosis, serological, 957.
due to virus of tick-borne encephalitis, experimental study. *722.
in infancy, 441.
of patella, *319, 741.
of spine, 750.
diagnosis, 962.
treatment, 957, 963.
place of surgery in, 219.
Osteoporosis, 444; (*critical reviews*), *453, *464, *485; (*symposium*), 745.
association with fracture of femoral neck, *520, 543.
changes in bone matrix in, *503.
changes in density of human femoral cortex with age, 225, *496.
treatment, strontium administration, rationale of, 194.
Osteotomy. *See under names of bones.*
Oxygen therapy, high pressure, in vascular injuries, 962.

P

Paget's disease of bone, 962.
bone turnover in, studied with tetracyclines, 216, 225.
sarcoma in, osteogenic, incidence in South-West England, *366.
Paralysis
infantile. *See* Poliomyelitis.
spastic. *See* Cerebral palsy.
See also under parts of body involved.
Paraplegia
malignant, 440.
traumatic, pathology and natural history, 750.
See also Spinal cord compression.

* Indicates full article or appreciable part.

Parosteal osteogenic sarcoma, 957.
Patella
double, in multiple epiphysial dsyplasia, *569.
osteomyelitis, *319, 741.
Pelvis
fractures, 216.
obliquity, paralytic, fixed, 222.
ossification, sex differences in, 445.
osteotomy, in ectopia vesicae, 439.
See also Acetabulum; Sacro-iliac joint.
Penicillin resistance in changing face of osteomyelitis, *841.
Peptic ulcer complicating fat embolism, 762, *790, *794.
Perilunar dislocation, trans-scaphoid, 961.
Periosteal ossifying fibrosarcoma. *See* Parosteal osteogenic sarcoma.
Peritenomyosis crepitans acuta, treatment, heparin, 240.
Peronei tendons, adhesions around, after calcaneal fractures, 961.
Perthes' disease. *See* Hip, osteochondritis.
Pes cavus. *See* Claw foot.
Pes planus. *See* Flat foot.
Petit, Jean Louis, inventor of screw tourniquet, 937.
Pituitary gland. *See* Acromegaly; Growth hormone; Thyrotropic hormone.
Plastics. *See* Polyethylene.
Poliomyelitis
historical descriptions of, *735.
hip in, dislocation, *573.
pelvic obliquity in, fixed, 222.
Polish Society of Orthopaedics and Traumatology, scientific meeting, 1963, 964.
Polyethylene, use in hand surgery, 240.
Polymyositis in rheumatoid arthritis, 237.
Popliteal arteriovenous fistula complicating meniscectomy, 744.
Pott's disease. *See* Tuberculosis of spine.
Prostheses, lower limb
below-knee, patellar tendon-bearing, *795.
in case of massive osteolysis, *652.
Prosthetics, 4th International Prosthetics Course, 1961, 235.
Protein catabolism, post-traumatic, *776.
Psoas
paralysis, treatment, transplantation of abdominal muscles, 443.
See also Ilio-psoas.

Q

Quadriceps femoris, electromyographic patterns in, during walking, 956.
Quadricepsplasty, 954.
Quadriplegia, disorders of temperature regulation in, *110.

R

Rachischisis. *See* Spina bifida.
Radiation therapy, fracture of femoral neck after, *543.
Radioactive isotopes. *See* Calcium; Strontium.
Radiography. *See* Microradiography; Tomography; X-ray diffraction.
Radio-ulnar fusion for defects in forearm bones, 743.
Radius
congenital absence of, treatment, 228, 441
congenital hypoplasia of lower end of, *816.
fractures
Colles's, treatment, elbow hinge in, 227.
of head of, treatment, 743.
Smith's, treatment, elbow hinge in, 227.
See also Forearm fractures.
Recklinghausen's disease of nerve. *See* Neurofibromatosis.
Rehabilitation, Federation of the Handicapped, 223.
Renal calculi. *See* Urinary calculi.
Renal failure, post-traumatic, 776.
Rheumatoid arthritis
hand in
surgery of (*editorial*), 759; (*symposium*), 237.
tendon rupture, 228, *764.
tendon surgery, 742.
polymyositis in, 237.
Rickets
strontium-induced, in rats, *194.
See also Osteomalacia.
Royal National Orthopaedic Hospital, demonstrations at, 219.

S

Sacro-iliac joint, tuberculosis, prognosis, 218.
Salzmann, J. G., description of poliomyelitis, *735.
San Giorgi, G. M., appointed to first chair of orthopaedics in Holland, 445.
Sarcoma, osteogenic
incidence in South-West England and relationship to Paget's disease, *366.
parosteal, 957.
Scandinavian Club for Surgery of Hand, meeting, 1961, 237.
Scaphoid bone (carpal)
congenital hypoplasia, *816.
dislocation, recurrent, 963.
fractures, 228; (*symposium*), 245.
with perilunar dislocation, 961.
Scapula
osteotomy, para-glenoid, 228.
winged, treatment, operative, 954.
Schwartz meniscus, 646.
Sciolosis
pathogenesis, role of spinal and abdominal muscles in, *102.
treatment
muscle springplasty, 955.
operative, growth prediction data for, *42.
Scottish Orthopaedic Club, annual meeting, 1962, 962.
Second Hand Club, meeting, 1961, 237.
Sex hormones
in etiology of osteoporosis, 456.
See also Oestrogens; Testosterone.
Sheffield Regional Orthopaedic Club, meetings, 1961, 226; 1962, 962.
Shoes. *See* Footwear.
Shoulder
anatomy of anterior capsular mechanism, *913.
dislocation
recurrent, 442.
pathology, *913.
with rupture of axillary artery, *116.
frozen, treatment, 963.
pain, treatment, para-glenoid osteotomy, 228.
See also Scapula; Supraspinatus.
Shoulder-hand syndrome, treatment, 963.
Skeletal maturation, relationship to bone growth in normal children, *42.
Skeleton. *See* Bone and bones; Joints.
Skin ulcers, mycobacterial, 232.
Smith, Edwin, papyrus, 946.
Smith's fracture, treatment, elbow hinge in, 227.
Società Italiana di Ortopedia e Traumatologia, meeting, 1961, 216.
Société Internationale de Chirurgie Orthopédique et de Traumatologie
9th congress, 1963, 751.
Jean Delchef and, 952.

* Indicates full article or appreciable part.

Somatotrophic hormone. *See* Growth hormone.
South Africa, establishment of first chair in orthopaedic surgery in, 963.
South-East Metropolitan Regional Orthopaedic Club, meetings, 1961, 227, 228.
South-West Orthopaedic Club, meeting, 1961, 438.
Spastic paralysis. *See* Cerebral palsy.
Spina bifida
epiphysial displacement in, *106.
occulta, foot deformities in, *828.
hip in, dislocation, *573.
Spinal cord
compression by neuroblastoma, *886.
See also Paraplegia; Quadriplegia.
Spine
arthrodesis
lumbar, anterior, 229.
lumbo-sacral
anterior, 217.
posterior, for spondylolisthesis, *637.
carcinoma, paraplegia in, 440.
cervical
deformity in neurofibromatosis, *880.
splint, "halo," *655.
fractures complicated by paralysis, treatment, early, 444.
osteomyelitis, 750.
diagnosis, 962.
pathological changes in spinous processes and adjacent soft tissues, 218.
tuberculosis, treatment, 220.
anterior approach in, 962.
rapid, 442.
See also Intervertebral discs; *see also* Scoliosis.
Spondylolisthesis, 219, 744.
treatment, arthrodesis
anterior, 217.
posterior, *637.
Spondylosis, cervical, 750.
Stamm straight hip prosthesis, 229.
Staphylococcal infections
diagnosis, serological, 957.
See also Arthritis, pyogenic; Osteomyelitis.
Stapling, epiphysial, for leg equalisation, *82.
with heavy Vitallium staples, *86.
Sternomastoid, action of, 748.
Steroids
adrenocortical
in etiology of osteoporosis, 457, 462.
See also Cortisone; Cushing's syndrome.
See also Sex hormones.
Stevens, Jack, awarded Robert Jones Gold Medal and Prize, 964.
Streptococcal gangrene, acute, *891.
Strontium
radioactive, osteograms in osteoporosis, *470.
rickets induced by, in rats, *194.
Supraspinatus, mechancis of, 748.
Synovectomy of knee, 443.
for tuberculosis, *34, 442.
Synovial fluid, lubricating mechanism of, *662.
Synovioma, malignant, 443.

T

Talipes. *See* Club foot.
Talo-calcanean joint, arthrodesis, for fractures of calcaneum, 444.
Talus
fracture-dislocation, 228.
vertical, congenital, 229.
Tarsus
movements in mid-tarsal and subtalar joints, 741.
See also Calcaneum; Talus.
Teeth
archaeological aspects, 959.
development, foetal, dimensional changes during, 960.
enamel structure, ontogenic speculations, 959.
odontoblasts, syncytial connections between, 959.
tissue and organ culture, 960.
Television in hip nailing, 962
Temperature regulation, disorders of, in acute traumatic quadriplegia, *110.
Temporo-mandibular joint, dislocation, recurrent, 221.
Tendon(s)
healing, effect of growth and thyrotropic hormones on, 241.
surgery, contributions of Mayer, Leo, 220.
See also names of tendons, and under body regions.
Testosterone in treatment of occlusive arterial disease, 444.
Tetracyclines, bone labelling with, 963.
in osteoporosis, *473.
in Paget's disease, 216, 225.
Tetraplegia. *See* Quadriplegia.
Thomas, Hugh Owen, Memorial Lecture, Liverpool University, 1961, 436.
Thromboangiitis obliterans, treatment, tolbutamide, 442.
Thumb
flexion deformity, familial, 247.
hypoplasia, congenital, *816.
metacarpo-phalangeal joint of
injuries, 240, 241.
ruptured ulnar collateral ligament, displacement of, *869.
opposition, restoration of, 247.
Thyroid gland. *See* Hyperthyroidism.
Thyrotropic hormone, effect on tendon healing, 241.
Tibia
adamantinoma, *25, 961.
congenital absence of, 961.
fractures
non-union of, treatment, arthrodesis of superior and inferior tibio-fibular joints, 963.
treatment, nailing, intramedullary, *328.
osteotomy of, for osteoarthritis of knee, 956.
vara, 216.
Toes. *See* Hallux rigidus; Hallux valgus.
Tolbutamide in treatment of thromboangiitis obliterans, 442.
Tomography with polytome, 959.
Torticollis, congenital muscular, treatment, 748.
Tourniquets, *937.
Trauma. *See* Injuries.
Travelling Fellows in Orthopaedic Surgery, American and Canadian, visit to Britain, 1961, 223.
Tuberculosis
joint, in children, 963.
of hip with massive joint destruction, treatment, arthrodesis, intra-articular, *800.
of knee, treatment, synovectomy, *34, 442, 443.
of sacro-iliac joint, prognosis, 218.
of spine, treatment, 220.
anterior approach in, 962.
rapid, 442.
Tumours
Codman's. *See* Chondroblastoma, benign.
giant-cell. *See* Osteoclastoma.
glomus, intraosseous, *648.
See also more specific terms, and under names of tissues, etc.

U

Ulcers
mycobacterial, of skin, 232.
peptic, complicating fat embolism, 762, *790, *794.

* Indicates full article or appreciable part.

Ulna, fractures. *See* Forearm fractures.
Ulnar nerve paralysis, claw hand in, mechanics of, 908.
Ultrasonic therapy, 441.
Underwood, M., description of poliomyelitis, *735.
Urinary bladder
ectopic, pelvic osteotomy in, 439.
mucosa, induction of osteogenesis by, *165.
Urinary calculi, etiology, 186.

V

Vascular disorders, occlusive
blood flow in working muscles in, 445.
treatment, testosterone, 444.
See also Arterial spasm; Ischaemic contracture; Thromboangiitis obliterans.
Vascular injuries, treatment, high pressure oxygen therapy in, 962.
Volkmann's ischaemic contracture
of intrinsic muscles of hand, 243.
treatment, operative, 220, 244.
Von Recklinghausen's disease of nerve. *See* Neurofibromatosis.

W

Willis, William H. Kirkaldy-. *See* Kirkaldy-Willis, William H.
Wrist
dislocation
of scaphoid, recurrent, 963.
perilunar, trans-scaphoid, 961.
injuries of nerves and tendons at, rehabilitation of, 241.
See also Scaphoid bone.

X

X-ray diffraction study of bone matrix, 506.

* Indicates full article or appreciable part.